TD 390 course project

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De-waste

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Overview

E waste management is an issue that has been piling on for years now. New devices are being released every day, which amounts to an ever increasing plethora of e waste. Government has put up systems to deal with it but the gap remains in getting the e waste from consumers to the systems. We attempt to close this gap.

People want to proactively fight this issue but are short handed by non existing systems. Putting forward a system to enable such people would be one of the initial goals.

Goals

1. **Mapping local bhangarwalas:** As per our survey, we have identified that local bhangarwala networks currently deal with the e waste disposal for a very short profit margin. This network can be efficiently leveraged. People can add local bhangarwala locations to our system so that people can find the nearest option.

2. **Mapping e waste bins:** Many institutions have e waste (yellow) bins on campus but these are hard to find and keep track of. Our system will also map the yellow bins near you, along with giving you the opportunity to map one if you find it.

3. **Reward users who use the app:** We are working on designing a reward system as an incentive that people will use the app. Some of the ideas we have are considering a discount coupon based system.

Specifications

We propose a system to map bhangarwala locations as well as yellow bins. This location data will be crowd sourced. People can add the locations on their own and possibly even contact the right people.

Milestones

1. Mapping yellow bins in IIT campus

   We will start with our own campus and gather awareness.

2. Mapping local bhangarwalas in Powai market

   We will add local bhangarwala networks to our system to gather data on how well our proposal works and if there are any improvements in their e waste collections.

3. To expand to nationwide locations (Enabled by crowdsourcing)

   We hope to run awareness campaigns to enable people to add such locations on our system to be used by people themselves to help curb the issue